



CALCULATION EYFS POLICY

Eureka Primary School

Date Minute No.

Approved by Governors

March 2016

Reviewed by Governors

Reviewed by Governors

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EYFS Calculation Policy

Early Learning Goal:

Using quantities and objects, children add two single-digit numbers and count on to find the answer.

Children are encouraged to develop a mental picture of the number system in their heads to use for calculation. They should experience practical calculation opportunities using a wide variety of practical equipment, including small world play, role play, counters, cubes etc.

Key skills for addition at EYFS:

- Recognise the numbers 1 to 20.
- Count reliably with numbers from 1 to 20.
- Place the numbers 1 to 20 in order and say which number one more or one less than the given number.
- Using quantities and objects, add two single digit numbers and count on to find the answer.

Counting all method

Children will begin to develop their ability to add by using practical equipment to count out the correct amount for each number in the calculation and then combine them to find the total. For example, when calculating $4 + 2$, they are encouraged to count out four counters and count out two counters.

Recognise numbers 1 to 20.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1, 2, 3, 4, 5, 6 ... there are 6 teddy bears.

Count reliably up to 20 everyday objects.

One more than three is four.

Find one more than a number.

and makes 5

Begin to relate addition to combining two groups of objectives

Children will engage in a wide variety of songs and rhymes, games and activities. In practical activities and through discussion they will begin to use the vocabulary involved in addition.

Key vocabulary: add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line.

Early Learning Goal:

Using quantities and objects, children subtract two single-digit numbers and count on or back to find the answer.

Children are encouraged to develop a mental picture of the number system in their heads to use for calculation. They should experience practical calculation opportunities using a wide variety of practical equipment, including small world play, role play, counters, cubes etc.

Key skills for subtraction at EYFS:

- Recognise the numbers 1 to 20.
- Count reliably with numbers from 1 to 20.
- Place the numbers 1 to 20 in order and say which number one more or one less than the given number.
- Using quantities and objects, add subtract single digit numbers and count back to find the answer.

Recognise numbers 1 to 20.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1, 2, 3, 4, 5, 6 ... there are 6 teddy bears.

Count reliably up to 20 everyday objects.

Find one less than a number.

One less than three is two.

Subtract single digit numbers.

Children will engage in a wide variety of songs and rhymes, games and activities. In practical activities and through discussion they will begin to use the vocabulary involved in subtraction.

Key vocabulary: equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer/less than, most, least, count back, how many left, how much less is_?, difference, count on, strategy, partition, tens, ones.

Early Learning Goal:

Children solve problems, including doubling.

Children are encouraged to develop a mental picture of the number system in their heads to use for calculation. They should experience practical calculation opportunities using a wide variety of equipment, including small world play, role play, counters, cubes etc.

Key skills for multiplication at EYFS:

- To solve real life problems including doubling, halving and sharing.

Children may also investigate putting items into resources such as egg boxes, ice cube trays and baking tins which are arrays.

Multiplication

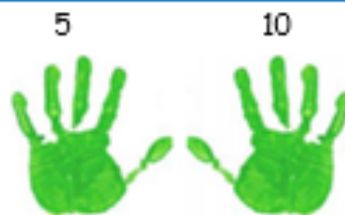
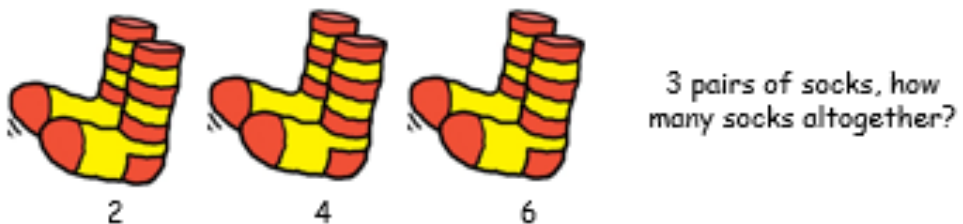
Before attempting multiplication children need to understand addition; the concept of combining groups of objects.

Children are given a range of opportunities to manipulate and experience a range of resources in real life contexts and through role play.

If one pair of welly boots is 2, then 3 pairs = ?



Children are encouraged to draw pictures and represent their mathematical thinking through various representations.



If one hand has 5 fingers how many fingers on two hands?

Key vocabulary: groups of, lots of, times, altogether, multiply, count

Early Learning Goal:

Children solve problems, including halving and sharing.

Children are encouraged to develop a mental picture of the number system in their heads to use for calculation. They should experience practical calculation opportunities using a wide variety of equipment, including small world play, role play, counters, cubes etc.

Children may also investigate sharing items or putting items into groups using items such as egg boxes, ice cube trays and baking tins which are arrays.

Key skills for division at EYFS:

- To solve real life problems including doubling, halving and sharing.

Division

Children are given a range of opportunities to manipulate and experience a variety of resources in real life contexts and through role play.

Children are encouraged to halve objects, for example half an apple, half a cake, half a pizza etc.

Share the apples between two people.



'Half the apples for me, half the apples for you.'

Children are encouraged to draw pictures and represent their mathematical thinking through various representations.

Share the bananas fairly between the 3 monkeys. How many do they have each?



Key vocabulary: share, count, group, set, double, half, share out